

# Delaware County Sustainability Commission

November 18, 2021



# Commission Meetings

- Today's meeting is in-person. We are broadcasting through Zoom, so it is being recorded. For our regular online meetings, because the public can register to attend, we've stopped live-streaming, but will post to YouTube after.
- All meeting content will be posted to the Sustainability Commission website.

## ONLINE FORMAT:

- For online commission members, you are “panelists” and can unmute at any time.
- Public attendees are present but muted. Public comments can be given through the Q&A box, at any time. Public input can also be sent to [SustainDelco@co.delaware.pa.us](mailto:SustainDelco@co.delaware.pa.us)



# Sustainability Commission Charge

- To create recommendations regarding best environmental and energy practices...in many areas
- To identify and assess environmental and energy policies the County has adopted and provide recommendations to promote and educate about the County's environmental and energy initiatives
- To identify and provide recommendations regarding voluntary actions, projects, and programs for municipalities, businesses, non-profits, and other partners to implement County environmental and energy policies
- To create, review and provide ongoing input into a Delaware County Sustainability Action Plan
- To recommend Triple Bottom Line-related actions, projects, and programs to Council for implementation



# Agenda

- Welcome and Roll Call
- Approval of October Meeting Minutes
- Member appointments
- Chief Sustainability Officer Annual Report
- State of the Delaware County Sustainability and Climate Action Plan
- Committees Discussion
- Timeline/Meetings for 2022
- New Business/Announcements
- Public Comment and Questions
- Adjourn



Public Comment: [SustainDelco@co.delaware.pa.us](mailto:SustainDelco@co.delaware.pa.us)

# Congrats Carol!



**WTS Philadelphia is pleased to announce  
its 2021 Award Winners!**

**DIVERSITY AWARDS**

**Division of Aviation**

*City of Philadelphia*

*and*

**Carol Martsof**

*Director of Training, Urban Engineers*

*Equity, Diversity + Inclusion Committee, WTS International*



# Welcome Bryn Mawr LCAP Students & Advisor!

- Saiqian Xiao
- Estefania Torres
- Don Barber

- Sent 150+ outreach emails
- Asking NGOs, EACs, Land Trusts, Watershed Assoc. Trail groups to distribute public survey
- Asking Municipalities for best POC and to schedule interview to ask survey questions.
- Entering GHG data into Clearpath to generate GHG inventory



# Approval of October Meeting Minutes



Public Comment: [SustainDelco@co.delaware.pa.us](mailto:SustainDelco@co.delaware.pa.us)

# Member Appointments



Public Comment: [SustainDelco@co.delaware.pa.us](mailto:SustainDelco@co.delaware.pa.us)



# Member Appointments

- Two Returning:
  - Shawn Stancill – energy efficiency representation
  - Becca Yurkovich – municipal manager/staff representation
- Two New Members:
  - Cephus Hales-Richardson
    - environmental justice/historically marginalized community position
    - works for US Small Business Administration
    - resident of Chester
  - Krystl Gauld
    - environmental justice/historically marginalized community position
    - works for affordable housing/homeless non-profit organization
    - resident of Upper Darby
- Thank you to Stephanie Howe Hasanali!!





# Delaware County's 1st Annual Sustainability Report - 2021



Francine Locke, Chief Sustainability Officer

Public Comment: [SustainDelco@co.delaware.pa.us](mailto:SustainDelco@co.delaware.pa.us)

# Delaware County – At a Glance

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576,830 residents

---

49 municipalities

---

~3,000 staff members

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31 County-owned buildings

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2,495,985 SF of County-owned and maintained space

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631 acres of County parks and open space

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4.4 miles of County maintained trails

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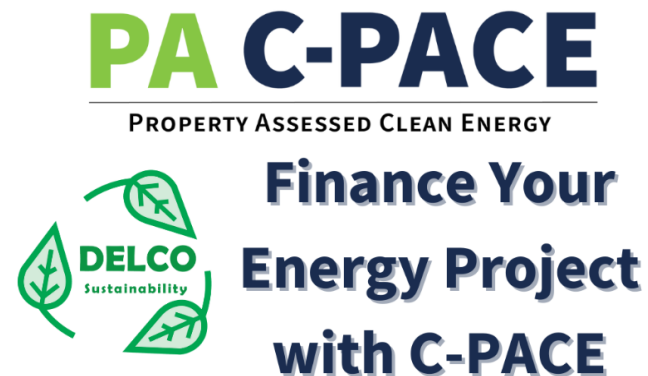
~300 vehicles

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Significant  
Opportunity for  
Climate Action



# 2021 Sustainability Wins



## Alternative Fuel Incentive Grant



## Solarize Delco completes largest project to date as the county takes a fresh approach to sustainability



By Kenny Cooper · August 1, 2021



# Delaware County Sustainability Division – 6 Departments

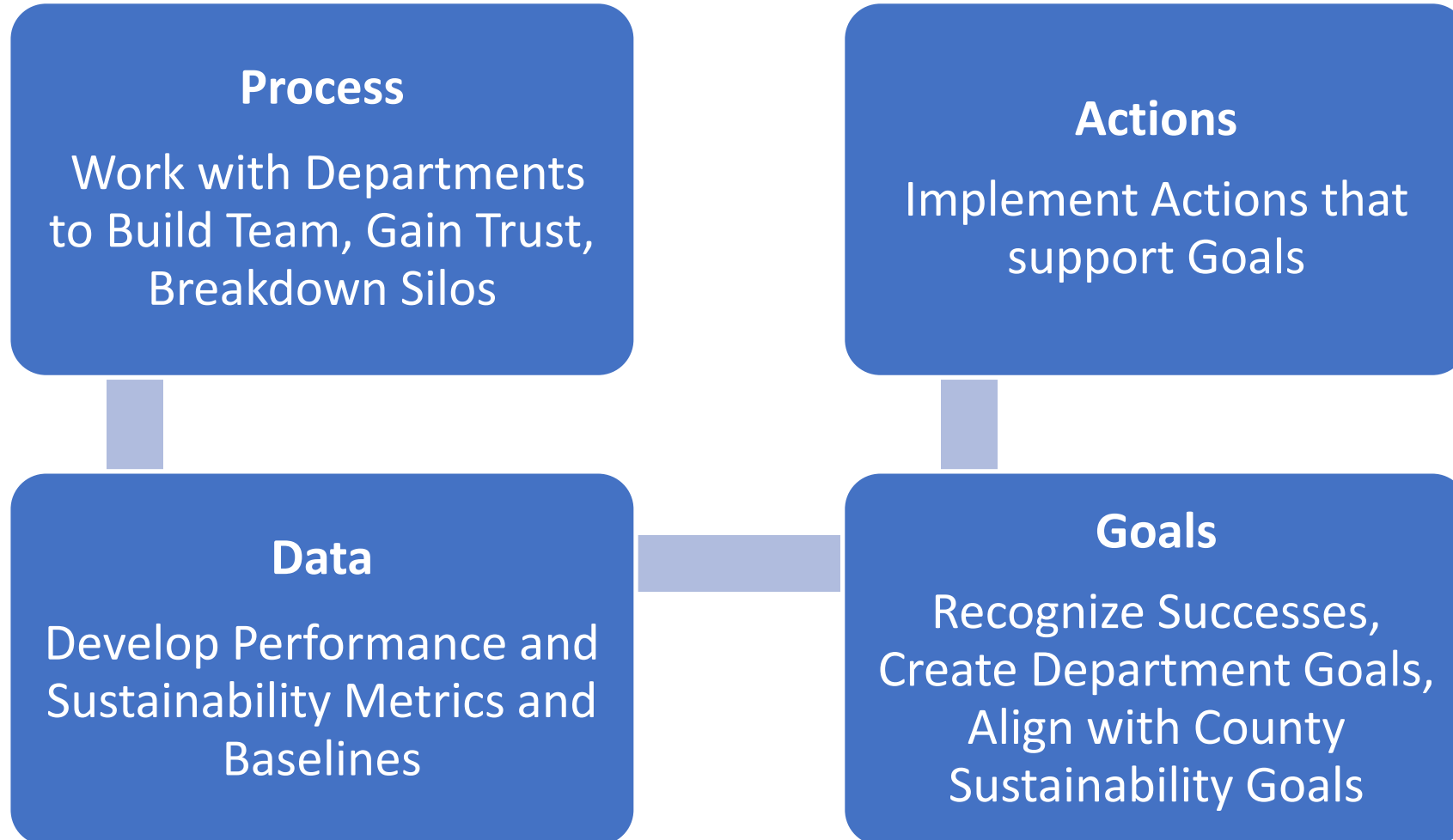
- Eliminating Silos
- Team Building
- Sharing Information
- Aligning Goals
- Connecting the Dots  
with Sustainability





# Streamlining County Operations

## 2021 – Starting Point and Approach





## Parks and Recreation

**Marc Manfre, Director**

17 parks, 631 acres of parks and open space,  
4.4 miles of trails, 21 staff



## Budget

Actual 2021 \$1,558,832

Proposed 2022 \$1,992,812



## Mission

To provide all residents with equitable access to high quality and sustainable recreation programs, outdoor natural spaces, facilities, and services. To create environments that are safe, healthy and enjoyable for all residents, while also protecting and preserving the natural resources within the County.

## High-level Goals

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Increase the County's open space and trails.

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Create an active youth recreation program.

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Upgrade Parks and Recreation Infrastructure.

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Protect and preserve the Delaware County watershed, natural resources and habitats.

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Increase the number of partnerships and collaborators.



# Parks and Recreation - 2021 Sustainability Highlights

## ELECTRONICS RECYCLING COLLECTION



DELAWARE COUNTY

**Upland County Park**

280 6th Street, Upland, PA 19015

**Wednesday, Oct 27, 2021**

9 am - 1 pm

**NO RECYCLING FEE CHARGED**

### ITEMS ACCEPTED:

- Televisions (1 per registration)
- Computer monitors and printers
- CPU (towers), laptops, mice and keyboards
- Desktop copiers and scanners
- Tablets, routers and modems
- Home and cell phones
- Cable boxes and electronic cables
- DVD players, VCRs, stereos and video game consoles
- Vacuum cleaners

### EVENT DETAILS

- Place all items in car trunk/truck bed.
- PRC follows all federal/state/local health and safety guidelines.
- Visit website for details.



**ADVANCE REGISTRATION REQUIRED**

[prc.org/DelcoCollection](http://prc.org/DelcoCollection) • 610-353-1555 x3

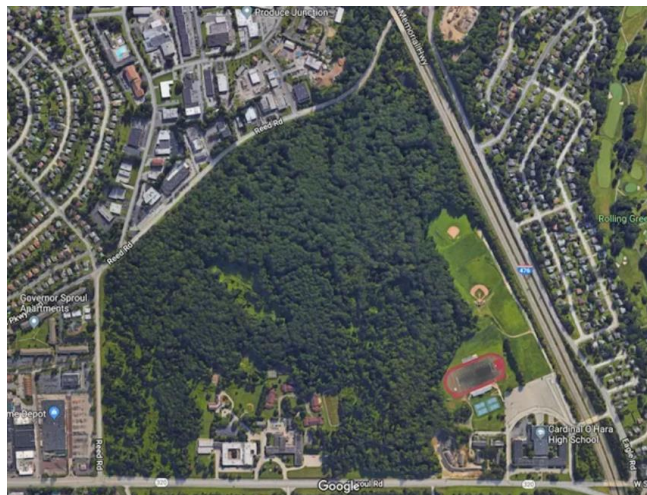


JOIN OUR  
EMAIL LIST



## Delaware County Yard Tree Giveaway

FREE  
Trees!



**Largest Park in County History**



**Summer Concert Series**



**Rose Tree Park Hawk Watch**



**Re-Opened Redwood Senior Center**

**The 10 Best Places to Go Mountain Biking Near Philadelphia**







## Planning Department

**Tom Shaffer, Interim Director**

14 staff members

# High-level Goals

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Preserve and enhance the diversified mix of land uses and provide for orderly and coordinated development that sustains a high quality of life.

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Conserve natural and cultural resources, increase and enhance the environmental and/or recreational value of lands, and develop a greenway network

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Improve transportation safety and capacity, expand the transportation network, and integrate all modes into one complete system

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Identify and document historic resources; Protect resources that have the most meaning, cultural impact, or historical significance; Promote the benefit that historic resources and preservation practices contribute to the County's character and future prosperity.

---

Enrich the supply and variety of quality housing stock; Provide for the housing needs of residents of all ages, abilities, and incomes; Collaborate across organizations and municipalities to share information and resources.



## Budget

Actual 2021 \$1,169,741

Proposed 2022 \$1,332,605



## Mission

To promote the sound and sustainable development and redevelopment of Delaware County through the application of contemporary and forward-thinking planning principles and smart growth concepts, while maintaining and enhancing the cultural, economic, and environmental livability of the County.

# Planning Department - 2021 Sustainability Highlights



➔ DELCO GREEN WAYS GRANT PROGRAM

➔ DELCO GREEN SPACE TASK FORCE

➔ DELCO TRAILS ALLIANCE

➔ DELCO RETURN ON ENVIRONMENT STUDY



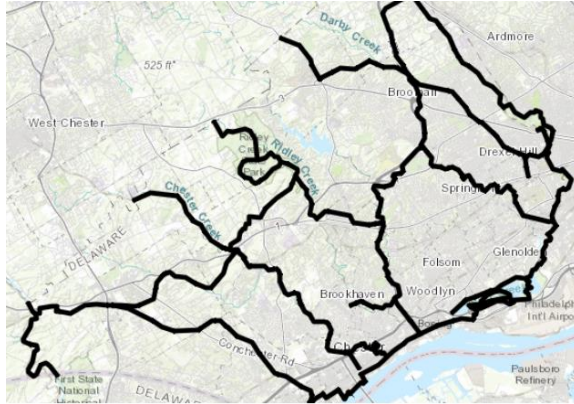


# GIS Sustainability Data Mapping

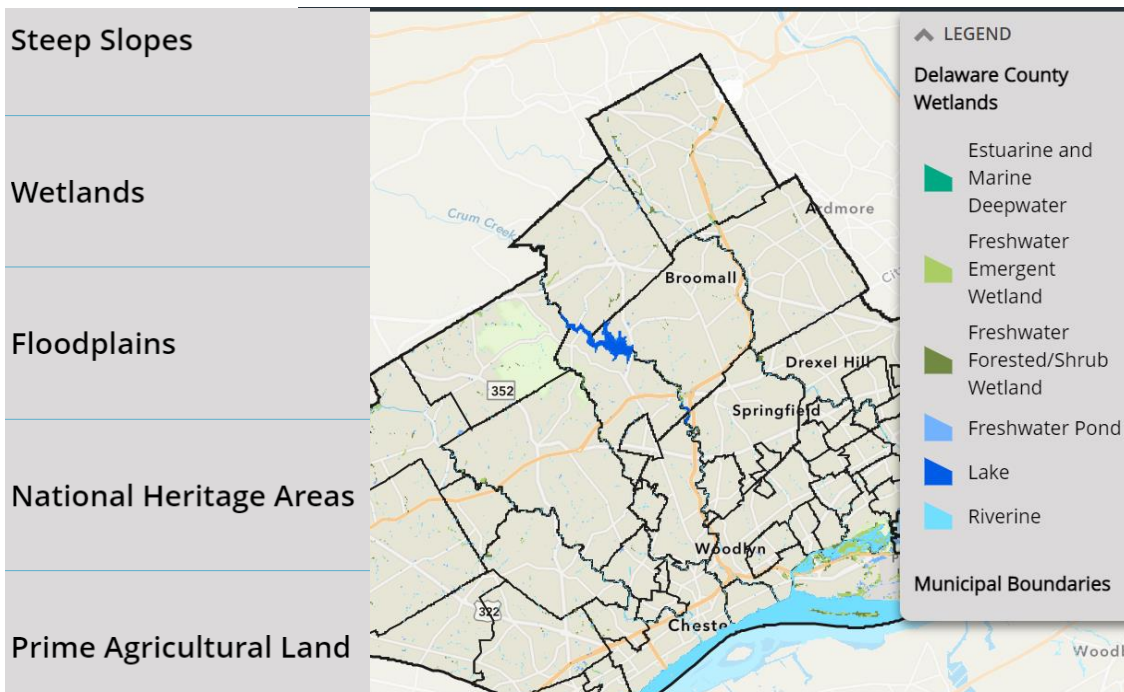


Rain Garden

*Delaware County's Primary Trail Network*



*Environmental Features of Delaware County*



*Green Stormwater Infrastructure In Delaware County*



*Delaware County Transportation Improvements Inventory*

## Legend

### TII - Points

- Road
- Bicycle/Pedestrian
- Transit
- Bridge

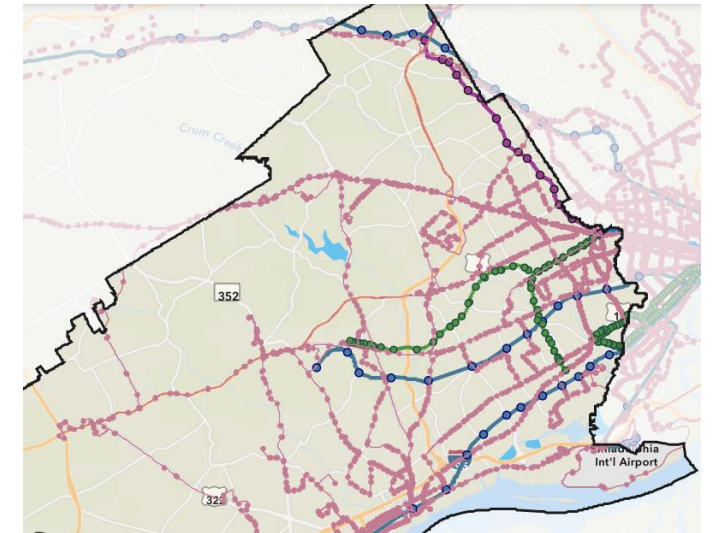
### TII - Lines

- Bicycle/Pedestrian
- Road
- Transit

### TII - Polygons

- Transit

*Interactive Transportation App*





### Conservation District

Edward Magargee, Director

6 staff members



### Budget

Actual 2021 \$311,740

Proposed 2022 \$325,145



### Mission

To ensure the wise use of Delaware County's natural resources and to protect and restore the natural environment through the conservation of its soil, water, and related resources.

## High-level Goals

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Ensure construction projects throughout the County have permitted stormwater management plans that adequately control soil erosion and sediment runoff.

---

Ensure the protection of waterways and wetlands through the implementation of a water obstruction and encroachment permitting program.

---

Support municipalities in low volume road improvements & environmental benefit projects.

---

Act as a County leader in watershed stewardship and environmental restoration.





# Conservation District - 2021 Sustainability Highlights

*Coordinating with environmental groups throughout the County*



*Mini Grants*



**Glen Providence Park Christmas Tree**



*Watershed restoration projects*



**Kent Park riparian buffer**

## Delaware County Yard Tree Giveaway

**FREE Trees!**

**Register for your free trees today**  
**Pick-up Saturday, April 24, 2021 ~ 9:00 - 11:00 am**  
**Catania Brothers Park**  
**708 Ketchum Avenue, Ridley Park PA**  
**Registration: <https://forms.gle/rBGAJq2y9vKeJznA9>**



Trees are vital to  
➤ shade homes  
➤ save energy  
➤ soak up stormwater  
➤ clean air  
➤ support birds  
Plant a tree, grow the future!



**SCAN FOR  
REGISTRATION FORM**

Delaware County is greening up! Homeowners can join the effort by picking up a FREE tree (or two) to plant in your yard this spring. Register online to choose between a variety of native trees (while supplies last). Free mulch, planting and care information will be provided at pick-up. Leftover trees may be available for walk-in pickup at the end of the event, 11:00 am - 12:00 pm, April 24, 2021, at Catania Brothers Park, Ridley Park PA. This Delaware County Yard Tree Giveaway is sponsored by Delaware County Conservation District, Friends of Heinz Refuge, John Heinz National Wildlife Refuge at Tinicum, and Natural Lands, with generous support from the Arbor Day Foundation. Thank you for planting a tree in Delaware County!

**Questions? Email: [joliefuhr@gmail.com](mailto:joliefuhr@gmail.com) Call: (215) 558-5220**



DELAWARE COUNTY  
CONSERVATION DISTRICT



FHR

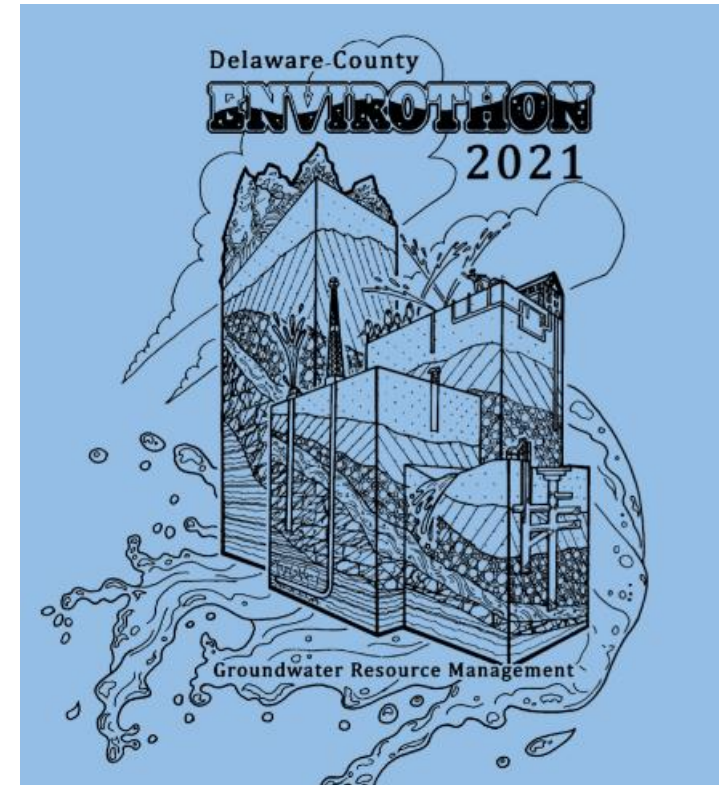


Natural  
Lands



Arbor Day Foundation

*Environmental education*



**PENNCREST  
HIGH  
SCHOOL**

**FIRST PLACE TEAM IN THE  
DELAWARE COUNTY  
COMPETITION**





## Facilities Management

**Ed Orner, Facilities Manager**

70 buildings with 2,495,985 SF of space, 36 Staff Members



## Budget

Actual 2021 \$3,169,007

Proposed 2022 \$3,480,361



## Mission

To provide efficient, sustainable, innovative and high-quality facilities to the public and County staff.

# High-level Goals

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Increase efficiency of County's Work Order System.

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Create a preventive building system maintenance program.

---

Reduce energy consumption and greenhouse gas emissions from buildings.

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Increase waste diversion from landfills.





### Public Works

Dr. Sharon Jaye, Interim Director

7 staff members



### Budget

Actual 2021 \$164,000

Proposed 2022 \$414,771



### Mission

To provide efficient, sustainable and high-quality facilities and infrastructure services to the Courts, County Departments, public, and staff members through the capital improvement program. To assist the Facilities Management Department in their efforts to minimize waste, increase energy efficiency, and reduce greenhouse gas emissions through the implementation of capital upgrades and equipment replacement.

## High-level Goals

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Work with leadership to develop a 10-year capital improvement program incorporating green design standards.

---

Improve capital, bridge, and facilities fiscal management.

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Manage leased properties more efficiently.



# Facilities Management and Public Works

## – 2021 Sustainability Highlights

- Purchased 100% Green-e® Energy Certified Renewable Energy Credits (RECs) (\$0.00092/kWh) in Wind Energy through 2023.
- Joined DVRPC Regional Power Purchase Agreement to find renewable energy at greatest value to Bucks, Chester, Delaware and Montgomery Counties.
- Completed Facility Condition and Needs Assessment of all county-owned buildings with ASHRAE Level 2 Energy Audits.
- Published Draft FY 2022-26 Capital Improvement Program.





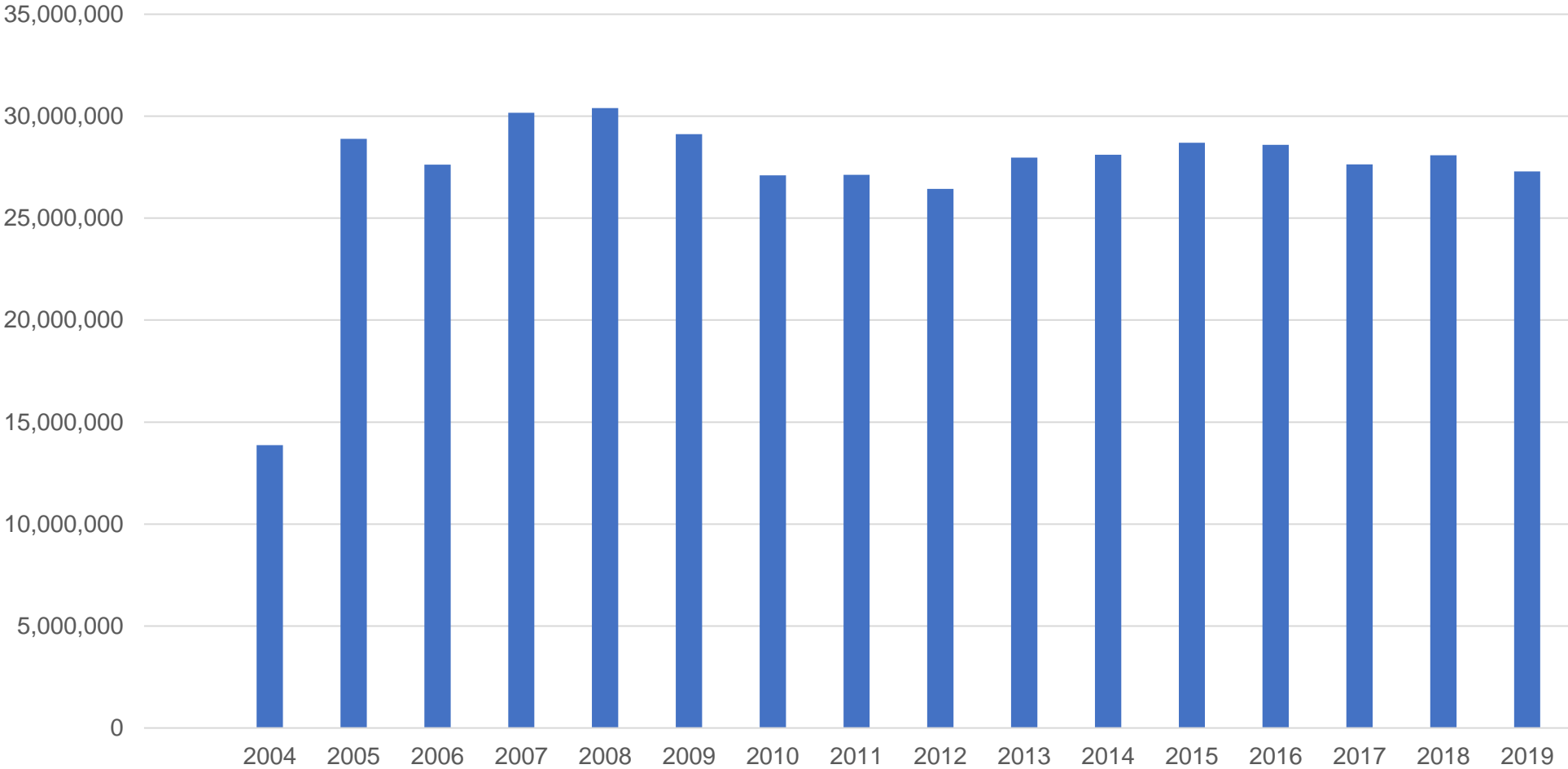
# Baseline Building Energy Usage (kWh)

Year	Electric Usage	Electric-Solar (-)	Electric Actual	Natural Gas
2019	27,287,041	264,038	27,023,003	1,311,622
2020	26,729,605	294,191	26,435,414	1,418,789



Solar energy produced that can be subtracted from County's electric usage

# County Buildings Electricity Usage 2004 to 2019 kWh



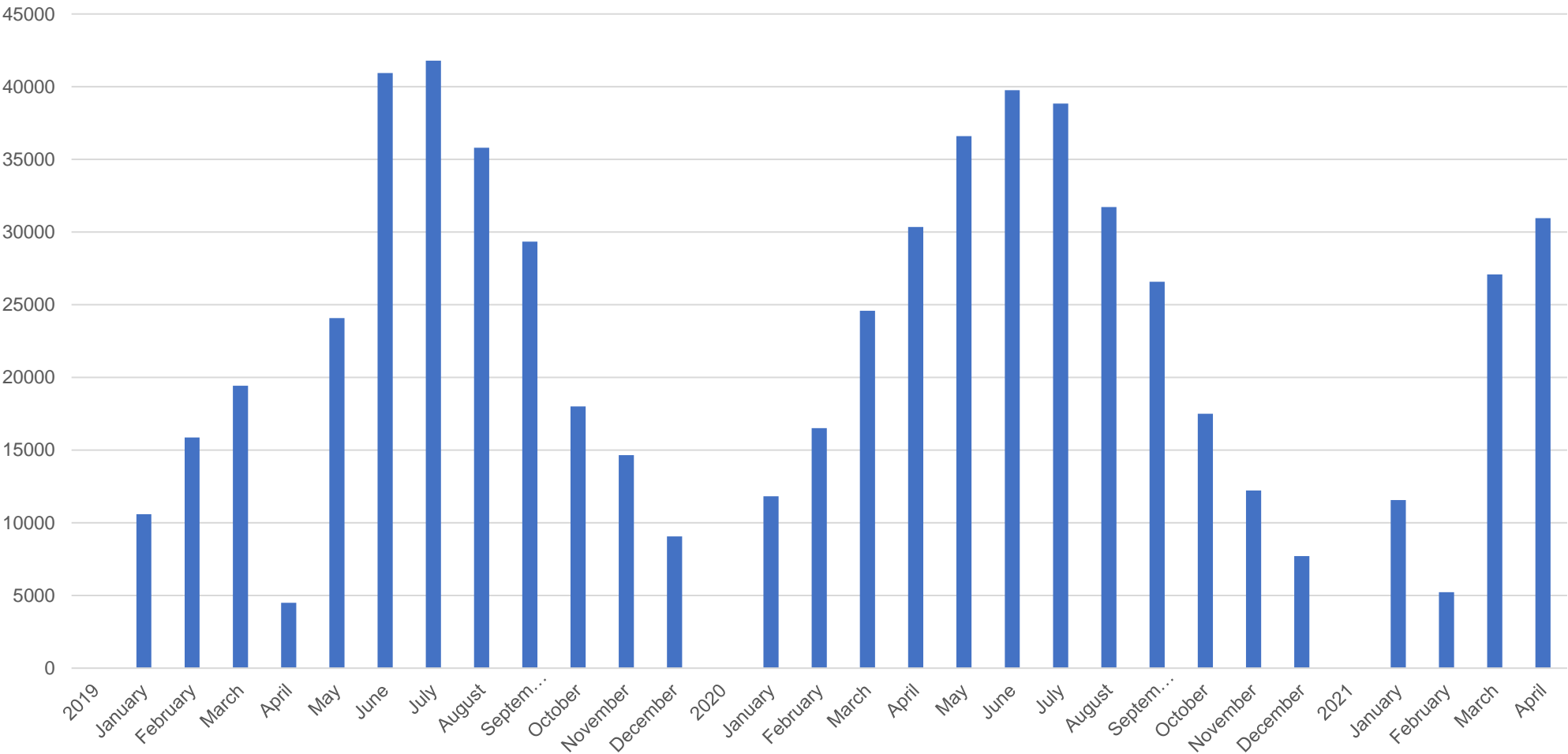
# Solar Panels on Government Center Roof



2020 - Produced 294,191 kWh of electricity

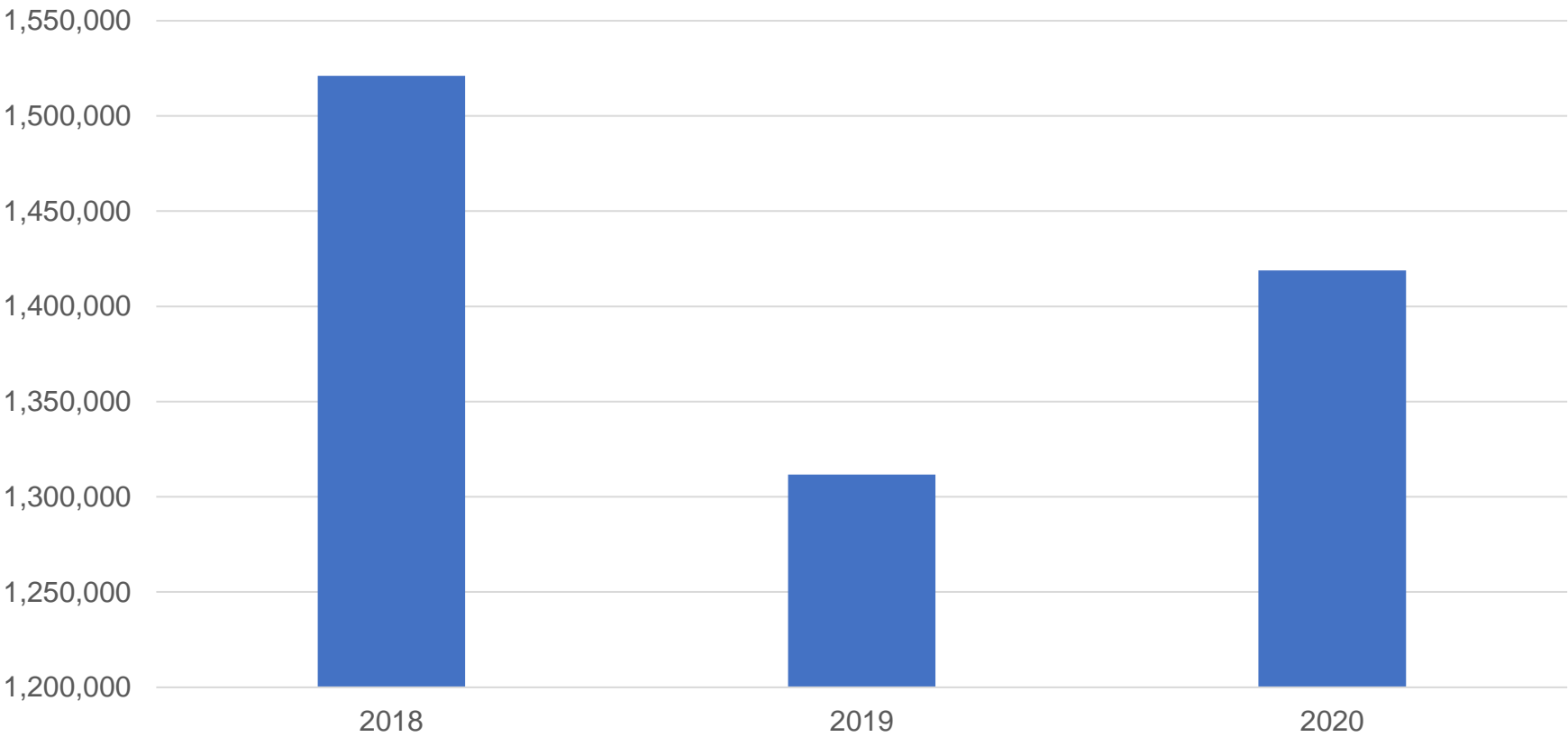
# Solar Energy from Government Center (kW)

Solar Generated Electricity 2019-2021



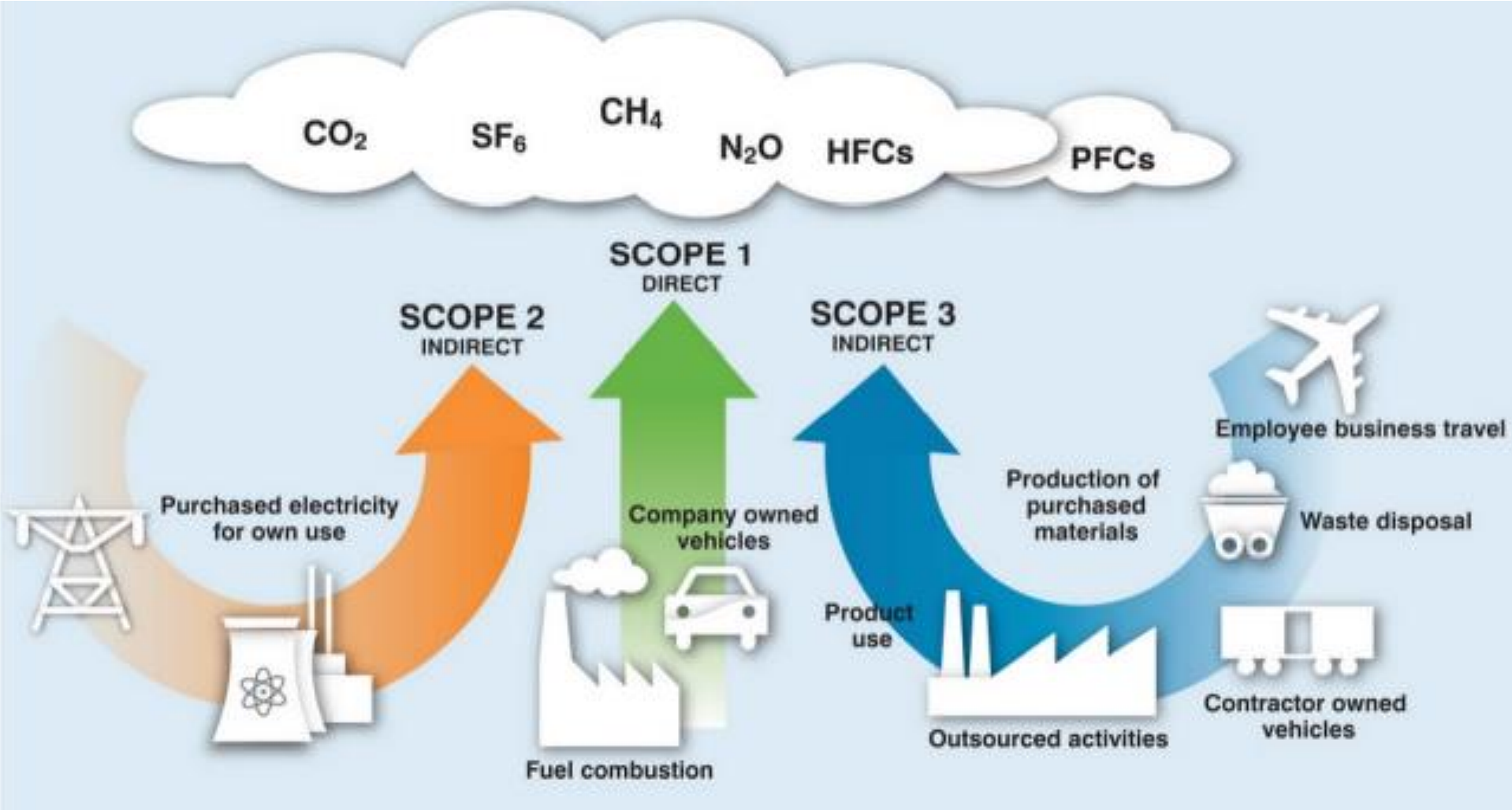
# Natural Gas Usage

Natural Gas Usage kWh 2018-2020





# GHG Emissions from County Operations



# Baseline from County-Owned Buildings

## Energy Consumption and Greenhouse Gas Emissions

			kBtu	kBtu	MMBTU	MMBTU	2019	2020
Fuel	kgCO2e/MBTU	kBtu	2019	2020	2019	2020	KgCo2e	KgCo2e
Natural Gas	53.06	100	131,162,200	141,878,900	131,162	141,879	6,959,466	7,528,094
Electric	95.06	3.412	92,202,485	90,197,632	92,202	90,198	8,764,857	8,574,274
Propane	63.07	91.5			0	0		
No.2 Oil	73.15	138.5						
District Steam	78.95	1194						
						MtCO2e/Yr	15,724	16,102
						Total cars off the road (eq)	3,397	3,479
						Total acres of pine trees planted (eq)	3,574	3,660



# Potential Energy Saving Projects from FCNA

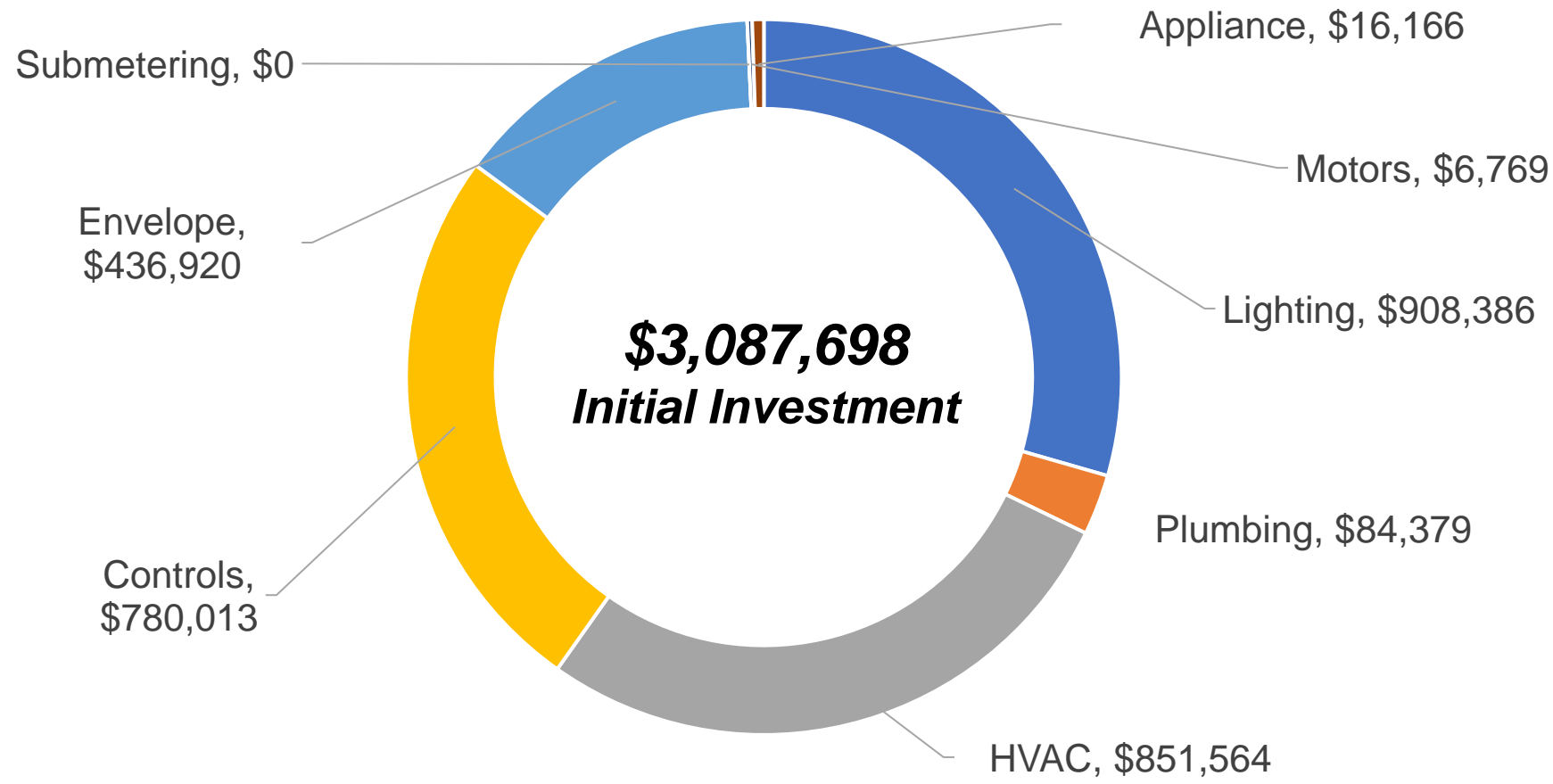
- **63** – Types of energy and water saving measures identified in County Buildings
- **\$3,087,698** – Projected initial investment for recommended green measures
- **\$530,701** – Projected first year savings from the recommended green measures
- **5.8 Years** – Simple Payback
- Measures will be incorporated into Facilities Master Planning and capital improvement program





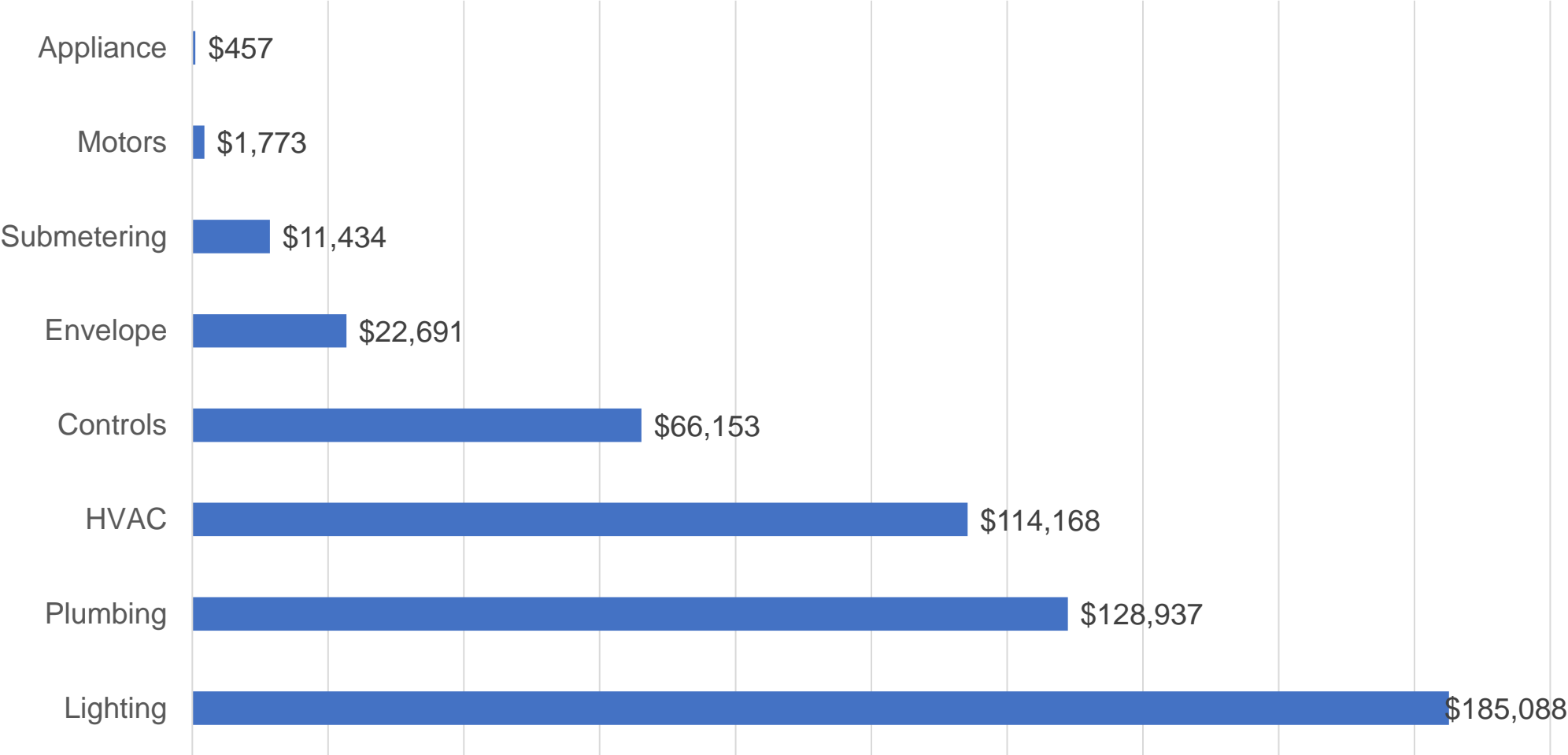
# Energy Conservation Measures (ECMs)

Projected Initial Investment - Portfolio Wide Green Measures



# Estimated Cost Savings from ECMs

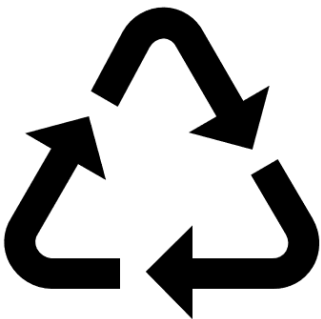
Estimated Annual Cost Savings (Utility + O&M )



Data from KCBA FCNA 2021 Report

# Waste – County Building Baselines

## January 2021 to Present



Waste Type	Amount
Trash	1,507.84 Tons
Recycling	834.72 Tons

35%  
Diversion  
Rate



The total generation of municipal solid waste (MSW) in the US in 2018 was 292.4 million tons or 4.9 pounds per person per day. US EPA



## Fleet Management

**Brian Hudak, Director**

300+ Vehicles (15 EVs, 16 Hybrids)

3 EV charging locations, 8 staff members



## Budget

Actual 2021 \$268,711

Proposed 2022 \$331,972



## Mission

To provide safe, efficient, reliable and sustainable fleet management services that support the County's and Court's operations.

# High-level Goals

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Reduce the County's Greenhouse Gas emissions and reliance upon fossil fuels.

---

Phase-out fossil fuel burning vehicles.

---

Install additional EV charging stations.

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Increase efficiency of motor vehicle maintenance.

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Enhance written standard operating procedures and streamline processes.

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Finalize and communicate procedures and policies to County and Courts staff.

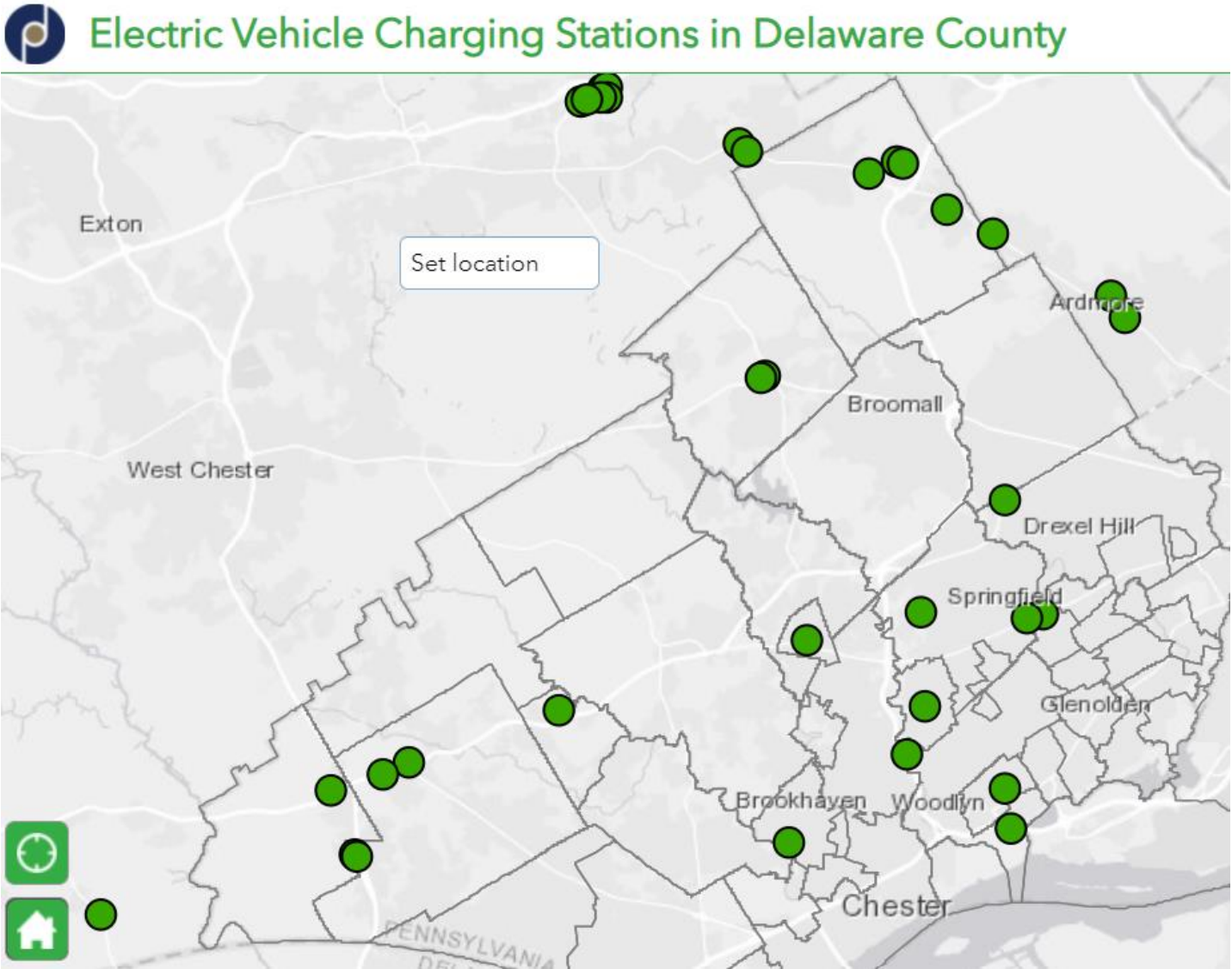


# Fleet Management – 2021 Sustainability Highlights

- Commitment to transitioning to 100% Electric
- Won PA DEP AFIG Grants!
- 300+ Vehicles Inventory
  - 15 are EVs
  - 16 are Hybrids
- 3 Charging Station Locations
- Working with the Eastern PA Alliance for Clean Transportation to develop PA DEP AFIG Grant application for December 2021 to purchase additional EVs and install additional charging stations.



# GIS Group - Delco EV Charging Stations Map





# The Future of Sustainability in Delco

Implementation Plan and  
Annual Progress Report

## Sustainability Plan – September 2022

Targets, Goals and Actions for:

- Energy
- Health and Wellness
- Transportation
- Waste and Resource Management
- Climate Resiliency
- Natural Resources

## Local Climate Action Plan – September 2022

- GHG Inventory
- Reduction Plan
- Resiliency, Climate Adaptation, Mitigation
- 10-year Municipal Solid Waste Management Plan – Zero Waste
- Vehicle Electrification
- Energy Conservation Measures – CIP
- Stormwater Management – CIP
- Build Partnerships

Journey  
to Zero  
Carbon



# State of the Sustainability Plan



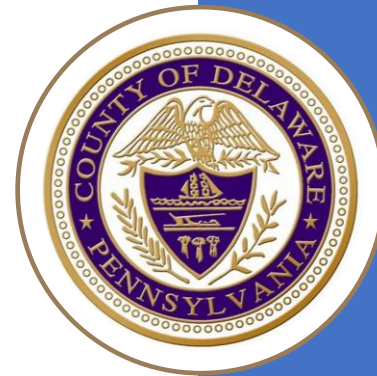
Public Comment: [SustainDelco@co.delaware.pa.us](mailto:SustainDelco@co.delaware.pa.us)



# Following ICLEI Process Framework



# Plan Development Schedule



Spring-Fall 2021

Winter 2021-22

Spring 2022

Summer 2022

# Plan Development Schedule

Sustainability and Climate Action Plan Schedule			2021								2022											
	Status		July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec		
<b>Milestone 0: Pre-planning</b>																						
Designate a sustainability coordinator	complete																					
Obtain chief elected buy-in	complete																					
Organize interdepartmental governmental team	complete																					
Form a sustainability plan advisory board	complete																					
Form a climate action plan task force (same as advisory board)	complete																					
Develop a work plan for planning process	complete																					
Develop a work plan for public outreach	complete																					
Develop a community engagement strategy	complete																					
Kick off sustainability advisory board meetings	complete																					
Gather ideas for the scope of the plan	complete																					
Launch and publicly announce the planning process	complete																					
<b>Milestone 1: Conduct Sustainability Assessment</b>																						
Begin to define the high level goals/scope of the plan	complete																					
Review existing Delco/PA plans, i.e., 2035 Plans (5), PA CAP	in progress																					
Inventory existing sustainability measures, i.e., County's work	in progress																					
Gather and analyze data for the assessment to define key issues	in progress																					
Solicit ideas from the public/stakeholders on the goals, guiding principles, and key challenges	in progress																					
Create a sustainability assessment report																						
Implement community engagement strategy	in progress																					
Complete a climate vulnerability assessment																						
Complete a community-wide GHG inventory	in progress																					
Forecast business-as-usual emissions																						
<b>Milestone 2: Establish Sustainability Goals</b>																						
Define clear, relevant, measurable goals and emissions target																						
Test the achievability of your goals by brainstorming possible strategies																						
Solicit ideas from the public for sustainability goals																						
Announce your goals to the public (for Earth Day?)																						
Establish emissions targets																						



<https://www.delcopa.gov/sustainability/plan.html>

# Schedule – Milestone 0 - Pre-Milestone Planning

Action	Current Status	Timeline
Designate a sustainability coordinator	complete	June
Obtain Executive Director and Council buy-in	complete	June
Organize interdepartmental governmental team	complete	June
Form a sustainability plan advisory board, i.e., Sustainability Commission	complete	June
Form a climate action plan task force, i.e., Sustainability Commission	complete	Aug-Oct
Develop a work plan for planning process	in progress	October
Develop a work plan for public outreach	in progress	October
Develop a community engagement strategy	in progress	Sept-Oct
Kick off Sustainability Commission meetings	complete	June
Gather ideas for the high level goals/scope of the plan	complete	June-Sept
Launch and publicly announce the planning process	complete	



Yellow bar denotes LCAP process

# Schedule – Milestone 1 – Sustainability Assessment

Action		Current Status	Timeline
<b>Begin to define the scope of the plan</b>		complete	June-Sept
	High-level goal development	complete	June-Sept
<b>Inventory existing sustainability measures based on high-level goals</b>		in progress	Aug-Dec
	Review existing Delco plans; GIS data; department collection	in progress	Aug-Dec
<b>Gather and analyze data for the assessment to define key issues</b>		In progress	Nov-Dec
<b>Solicit ideas from the public/stakeholders</b>		In progress	Oct-Jan
	Create webpage for engagement	complete	Nov
	Create presentation for EAC/NGO meetings	complete	Nov
	Internal - hold departmental meetings	in progress	Oct-Jan
	Internal – feedback method for county employees	In progress	Oct-Jan
	Municipalities - Interview #1	in progress	Oct-Jan
	Municipalities - Survey #1 for data gathering		Oct-Jan
	Municipalities - Reach out to EACs and attend next mtg	in progress	Oct-Jan
	Public - Survey #1	in progress	Oct-Jan
	Public - Email NGOs/others for POC and survey distribution	in progress	Oct-Jan
	Public - Open meeting Nov. 29	planning	Oct-Jan
<b>Create a sustainability assessment report</b>			Jan-Feb





# Schedule – Milestone 1 – Sustainability Assessment (LCAP)

Action		Current Status	Timeline
Implement community engagement strategy		in progress	Sept-June
Complete a climate vulnerability assessment			Dec-Jan
	Investigate ICLEI framework		Dec-Jan
	Work with GIS to gather data		Dec-Jan
	Create report		Dec-Jan
Complete a community-wide GHG inventory		In progress	Aug-Nov
	DEP request data (utilities, DVRPC, etc.)	complete	Aug-Nov
	Determine inventory type	complete	Aug-Nov
	Students enter data into ClearPath	In progress	Aug-Nov
Forecast business-as-usual emissions			Oct-Dec



# Schedule – Milestone 2 – Establish Sustainability Goals

Action		Timeline
<b>Define clear, relevant, measurable goals and emissions targets</b>		Feb-Apr
	Review results of assessment and determine baselines	Feb-Apr
	Prioritize goals	Feb-Apr
	Develop 2 emissions target levels: community-wide and county operations	Feb-Apr
<b>Test the achievability of your goals by brainstorming possible strategies</b>		Feb-Apr
	Perform high-level analysis of potential strategies	Feb-Apr
	Estimate potential emissions reductions of each strategy	Feb-Apr
<b>Solicit ideas from the public for sustainability goals - outreach</b>		Feb-Apr
	Internal:	Feb-Apr
	Municipal:	Feb-Apr
	Public:	Feb-Apr
<b>Announce your goals to the public</b>		Apr
	Press release by council? Kick-off event on earth day?	Apr
	Website update	Apr
	Public education campaign	Apr
<b>Establish emissions targets</b>		Nov-Dec



# Schedule – Milestone 3 (Part 1) – Develop Sustainability Plan

Action		Timeline
<b>Develop and prioritize measures</b>		Apr-June
	develop list of potential measures for detailed analysis	Apr-June
	Analyze potential measures contribution to goals; costs/benefits	Apr-June
	Prioritize and select measures (short-term vs long-term)	Apr-June
	Define indicators and data sources and gather baseline data	Apr-June
	estimate emissions reduction potential of each measure	Apr-June
<b>Develop climate action goals, onjectives and measures</b>		Jan-May
<b>Develop implementation plans for each measure</b>		May-Aug
	Define timeline, responsible party, and key milestones	May-Aug
	Identify available funding and gaps	May-Aug
	Designate implementation coordinator for each	May-Aug
<b>Develop implementation and monitoring strategy</b>		Mar-Apr
<b>Prepare for the public outreach process</b>		Mar-May
	Plan for outreach to public and key stakeholders (similar to 1-outreach)	Mar-May
	Develop easy-to-understand presentation	Mar-May
<b>Perform outreach</b>		Apr-June
	Internal:	Apr-June
	Municipal:	Apr-June
	Public:	Apr-June



# Schedule – Milestone 3 (Part 2) – Develop Sustainability Plan

Action		Timeline
<b>Create an outline for the plan</b>		Mar-May
	Develop outline	Mar-May
	assign sections	Mar-May
<b>Develop draft climate action plan</b>		Feb-July
<b>Write the plan</b>		June-Aug
	Develop narrative for overall rationale	June-Aug
	Develop explanations and rationale for each measure	June-Aug
	Designate master editor	June-Aug
	Write and produce plan (graphic design too)	June-Aug
<b>Release a draft plan for public comment</b>		Aug
<b>Finalize and release the plan</b>		Sept
	chief official announce plan and release it	Sept
	Formally adopt or approve plan	Sept
<b>Finalize and adopt climate action plan</b>		Sept



# Summary – What's Happening Now!

**Point everyone to this page for links and updates:**

<https://www.delcopa.gov/sustainability/plan.html>

## **Opportunities to get engaged:**

- Sustainability Plan Public Workshop – November 29, 2021 - 6:00-8:00pm  
[Register for in-person attendance](#)
- [General Public Survey](#) – extended to December 15, 2021
- [Sustainability Draft Goals Feedback Form](#) - closes December 31, 2021

## **Baseline Assessment:**

- GHG Inventory with LCAP in process
- Energy data from FCNA; partial solid waste data from vendor
- Departments working on metrics from county operations
- Performing outreach on other possible metrics for high level goals





Questions?



Public Comment: [SustainDelco@co.delaware.pa.us](mailto:SustainDelco@co.delaware.pa.us)

# Committee Structure

- Health and Wellbeing
- Natural Resources
- Transportation
- Energy
- Waste and Resource Management
- Climate Resiliency
- Equity and Inclusion



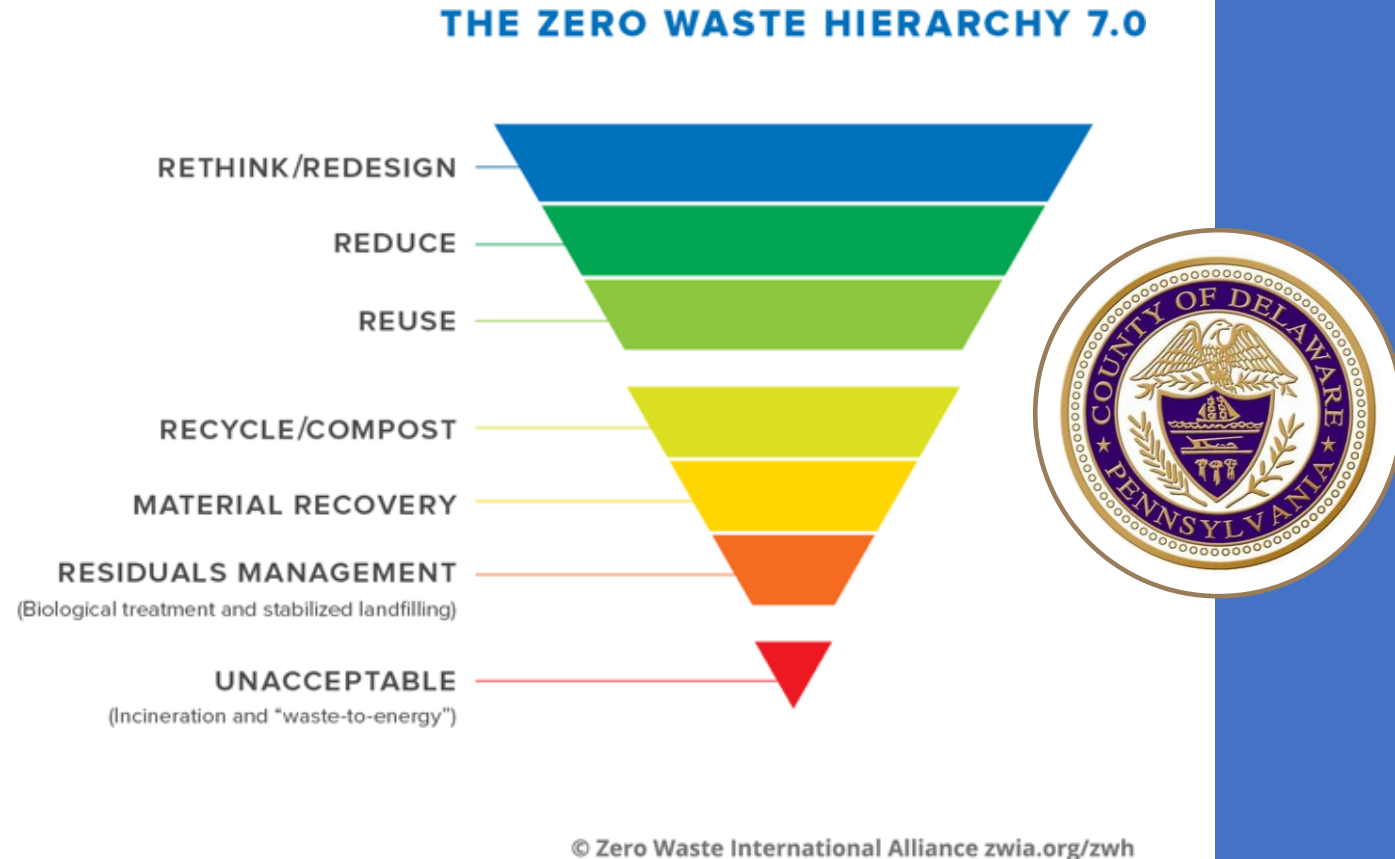
Public Comment: [SustainDelco@co.delaware.pa.us](mailto:SustainDelco@co.delaware.pa.us)

# Committee Report-Out

Zero Waste Task Force recommends the commission use the following zero waste definition in the high-level goals:

*“Zero Waste: The conservation of all resources by means of responsible production, consumption, reuse, and recovery of products, packaging, and materials without burning and with no discharges to land, water, or air that threaten the environment or human health.”*

Zero Waste International Alliance:  
<https://zwia.org/zero-waste-definition/>



Public Comment: [SustainDelco@co.delaware.pa.us](mailto:SustainDelco@co.delaware.pa.us)

# Meeting Schedule for 2022?

## Current (alternating)

- 3<sup>rd</sup> Thursday at 6:00pm
- 3<sup>rd</sup> Friday at 2:00pm

## Consider?

- 2<sup>nd</sup> Thursday at 6:00pm; 2<sup>nd</sup> Friday at 2:00pm
- 4<sup>th</sup> Thursday at 6:00pm; 4<sup>th</sup> Friday at 2:00pm
- Other time alternates?



# Public Comment

“SustainDelco email content” – new document in google drive in the communications-outreach folder containing all text from emails



Public Comment: [SustainDelco@co.delaware.pa.us](mailto:SustainDelco@co.delaware.pa.us)



# Other Business/Announcements

- Next meeting – December 16, 6:00pm

